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Sensor unit for extra-uterine determining of labour pains - has two rigid shells accommodating contraction sensor which detects mechanical effects of labour pains and which is pressed by belt on stomach of patient.

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- **European:** A61B5/03F

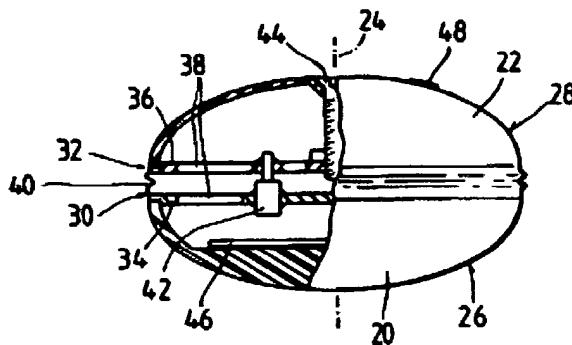
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Abstract of DE4225036

The sensor unit includes two rigid shells (20,22) which have edges (30,32) lying opposite each other, and running essentially parallel to a belt (46). The shells are connected together to form a sealed unit across an elastic ring element (40). The contraction sensor (42) is arranged in the space between the two shells. The sensor (42) detects a movement of the two shells relative to each other. The shell (20) facing the stomach is convex in shape and has a continuous running outer surface (26) defined by curvature. The sensor unit detects foetal heart activities in addition to the contractions. One piezo-element (46) at least is connected with the stomach side shell (20), which runs essentially parallel to the belt. ADVANTAGE - Causes as little discomfort as possible to patient and higher sensitivity regarding contraction detection.



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